

TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

INSTRUMENT APPROACH PROCEDURE CHARTS IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned another DP or radar vector by ATC, this procedure may be flown to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: FAR 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS
AMERY, WI
AMERY MUNI
TAKE-OFF MINIMUMS: 400-1 or std. with a min.
climb of 300' per NM to 1500.

BARABOO, WI
BARABOO WISCONSIN DELLS
TAKE-OFF MINIMUMS: **Rwy 1**, 300-1.
DEPARTURE PROCEDURE: **Rwy 14**,
southeastbound departures, climbing left turn to
heading 070° intercept DLL R-090, climb to 3200
before proceeding southeastbound. **Rwys 19, 32**,
southeastbound departures (090° CW 180°) climb
on runway heading to 3200 before proceeding on
course.

BLACK RIVER FALLS, WI
BLACK RIVER FALLS AREA
DEPARTURE PROCEDURE: **Rwys 8, 26**, climb
runway heading to 1400 before proceeding on
course.

NAME TAKE-OFF MINIMUMS
BOSCobel, WI
BOSCObEL
TAKE-OFF MINIMUMS: **Rwy 2**, 400-1.
Rwy 20, 500-1.

BOYCEVILLE, WI
BOYCEVILLE MUNI
TAKE-OFF MINIMUMS: **Rwy 8**, 1300-2 or std. with a
min. climb of 340' per NM to 2700.
NOTE: **Rwy 8**, tower 6.44NM from departure end of
runway, 3378' right of centerline, 1200' AGL/2180' MSL.

BURLINGTON, WI
BURLINGTON MUNI
TAKE-OFF MINIMUMS: **Rwy 29**, 300-1 or std. with a
min. climb of 260' per NM to 1100.
DEPARTURE PROCEDURE: **Rwy 11**, climb runway
heading to 1400 before turning.

CABLE, WI
CABLE UNION
DEPARTURE PROCEDURE: **Rwy 16**, west
departures, climb runway heading to 1900 before
turning westbound.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



CAHOKIA/ST. LOUIS, IL

ST. LOUIS DOWNTOWN

DEPARTURE PROCEDURE: **Rwys 12L, 12R**, climb runway heading to 1000 before turning left. **Rwy 22**, climb runway heading to 2000 before turning right.

Rwys 30L, 30R, climb runway heading to 1700 before turning.

NOTE: **Rwy 4**, pole 324' from departure end of runway, 549' right of centerline, 63' above departure end of runway elevation/473' MSL.

CARMi, IL

CARMi MUNI

DEPARTURE PROCEDURE: **Rwy 36**, climb runway heading to 1000 before turning westbound.

CASEY, IL

CASEY MUNI

DEPARTURE PROCEDURE: **Rwys 4, 22, 36**, climb runway heading to 1900 before turning southbound.

Rwy 18, climb runway heading to 1900 before turning left.

CENTRALIA, IL

CENTRALIA MUNI

TAKE-OFF MINIMUMS: **Rwy 18**, 300-1.

CHICAGO, IL

CHICAGO MIDWAY INTL

TAKE-OFF MINIMUMS: **Rwy 13L**, 300-1 or std. with a min. climb of 270' per NM to 900. **Rwy 22L**, 300-1 or std. with a min. climb of 340' per NM to 900. **Rwy 22R**, 300-1 or std. with a min. climb of 420' per NM to 900. **Rwy 31C**, 300-1 or std. with a min. climb of 320' per NM to 900. **Rwy 31L**, 300-1. **Rwy 31R**, 300-1 or std. with a min. climb of 260' per NM to 900.

DEPARTURE PROCEDURE: **Rwys 4L, 4R**, northbound Departures (360° CW 080°), climbing right turn to 2400 heading 100° before proceeding on course. **Rwys 13C, 13L, 13R, 22L, 22R, 31C, 31L, 31R**, climb runway heading to 1300 before turning.

CHICAGO-O'HARE INTL

TAKE-OFF MINIMUMS: **Rwy 22R**, 300-1. **Rwy 32L**, straight out or right turn, std.; left turn 1000-3 or std. with a min. climb of 240' per NM to 1800. **Rwy 18, NA, Rwy 36**, 500-1.

LANSING MUNI

TAKE-OFF MINIMUMS: **Rwy 9**, 300-1. **Rwy 36**, 400-1.

CHICAGO/PROSPECT HEIGHTS/ WHEELING, IL

PALWAAKEE MUNI

TAKE-OFF MINIMUMS: **Rwy 24**, 300-1 or std. with min. climb of 286' per NM to 900.

NOTE: **Rwy 6**, tree 226' from departure end of runway, 226' right of centerline, 51' AGL/691' MSL. **Rwy 12**, antenna 4287' from departure end of runway, 1191' right of centerline, 129' AGL/769' MSL. **Rwy 16**, tree 1572' from departure end of runway, 423' left of centerline, 62' AGL/702' MSL. Obstruction light, 393' from departure end of runway, 383' right of centerline, 14' AGL/658' MSL. **Rwy 24**, tower 2955' from departure end of runway, 990' left of centerline, 133' AGL/783' MSL. **Rwy 30**, antenna 5171' from departure end of runway, 758' right of centerline, 152' AGL/802' MSL. Tower 4865' from departure end of runway 1002' right of centerline, 131' AGL/778' MSL. **Rwy 34**, tree 479' from departure end of runway, 465' left of centerline, 79' AGL/723' MSL.

CHICAGO/WAUKEGAN, IL

WAUKEGAN REGIONAL

TAKE-OFF MINIMUMS: **Rwy 14**, 300-1.

CLINTONVILLE, WI

CLINTONVILLE MUNI

DEPARTURE PROCEDURE: **Rwys 4, 9**, climb on runway heading to 2000 before turning on course.

DE KALB, IL

DE KALB TAYLOR MUNI

TAKE-OFF MINIMUMS: **Rwy 27**, 300-1.

DEPARTURE PROCEDURE: **Rwy 9**, climb runway heading to 1400 before proceeding on course.

DECATUR, IL

DECATUR

DEPARTURE PROCEDURE: Northbound departures:

Rwys 6, 12, 24, climb runway heading to 1600 before turning north. **Rwy 18**, climb runway heading to 1200 before turning north. **Rwy 30**, right turn, climb to 3000 via DEC R-340 before proceeding north. **Rwy 36**, left turn, climb to 3000 via DEC R-340 before proceeding north.

DELAVAL, WI

LAKE LAWN

NOTE: **Rwy 18**, trees 150' from departure end of runway, 200' right of centerline, 56' AGL/1023' MSL. Trees 300' from departure end of runway, 200' right of centerline, 50' AGL/1017' MSL. **Rwy 36**, trees 90' from departure end of runway, 175' left of centerline, 66' AGL/1045' MSL. Poles 251' from departure end of runway, 86' right of centerline, 66' AGL/1045' MSL. Pole 90' from departure end of runway, 240' right of centerline, 60' AGL/1039' MSL. Pole 85' from departure end of runway, 170' left of centerline, 60' AGL/1039' MSL.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

DIXON, IL

DIXON MUNI-CHARLES R. WALGREEN FIELD
TAKE-OFF MINIMUMS: **Rwys 26, 30**, 300-1.

EAU CLAIRE, WI

CHIPPEWA VALLEY REGIONAL
TAKE-OFF MINIMUMS: **Rwy 14**, 500-1.
DEPARTURE PROCEDURE: **Rwys 14, 22**, climb runway heading to 2500 before turning southbound.

EFFINGHAM, IL

EFFINGHAM COUNTY MEMORIAL
TAKE-OFF MINIMUMS: **Rwy 1**, 600-1.
DEPARTURE PROCEDURE: **Rwy 28**, climb runway heading to 2100 before proceeding on course.

FAIRFIELD, IL

FAIRFIELD MUNI
TAKE-OFF MINIMUMS: **Rwy 9**, 400-1 or std. with a min. climb of 310' per NM to 800. **Rwy 27**, 300-1 or std. with a min. climb of 320' per NM to 600.

FLORA, IL

FLORA MUNI
DEPARTURE PROCEDURE: **Rwys 3, 33**, climb runway heading to 1100 before turning left. **Rwy 21**, climb runway heading to 1100 before turning right.

FOND DU LAC, WI

FOND DU LAC COUNTY
DEPARTURE PROCEDURE: **Rwy 9**, climb runway heading to 2000 before turning north. **Rwy 36**, climb runway heading to 2000 before turning east.

FRANKFORT, IL

FRANKFORT
TAKE-OFF MINIMUMS: **Rwy 27**, 300-1.
DEPARTURE PROCEDURE: **Rwy 9**, climb runway heading to 1200 before turning northbound.

FRIENDSHIP (ADAMS), WI

ADAMS CO. LEGION FIELD
TAKE-OFF MINIMUMS: **Rwys 8, 26**, NA - unsurveyed turf runways. **Rwy 33**, 500-2 or std. with a min. climb of 400' per NM to 1600.
NOTE: **Rwy 15**, powerline 1210' from departure end of runway, 130' left of centerline, 60' AGL/1090' MSL. **Rwy 33**, trees 200' from departure end of runway, 200' left of centerline, 57' AGL/1032' MSL. Trees 1.43 NM from departure end of runway, 2653' left of centerline, 100' AGL/1399' MSL. Watch tower 1.69 NM from departure end of runway, 2271' left of centerline, 150' AGL/1400' MSL.

GRANTSBURG, WI

GRANTSBURG MUNI
TAKE-OFF MINIMUMS: **Rwy 23**, 300-1.

GRAYSLAKE, IL

CAMPBELL
TAKE-OFF MINIMUMS: **Rwy 24**, 300-1.
DEPARTURE PROCEDURE: **Rwy 9**, climb runway heading to 1200 before turning.

GREEN BAY, WI

AUSTIN STRAUBEL INTL
DEPARTURE PROCEDURE: **Rwys 6, 24**, climb runway heading to 2500' before turning southbound. **Rwy 18**, climb runway heading to 2500 before turning eastbound.

HAYWARD, WI

SAWYER COUNTY
TAKE-OFF MINIMUMS: **Rwy 16**, 300-1 or std. with a min. climb of 300' per NM to 1300. **Rwy 20**, 300-1 or std. with a min. climb of 270' per NM to 1300. **Rwy 34**, 300-1 or std. with a min. climb of 250' per NM to 1300.
DEPARTURE PROCEDURE: **Rwy 16**, climb runway heading to 1900 before turning eastbound.

JOLIET, IL

JOLIET REGIONAL
TAKE-OFF MINIMUMS: **Rwy 12**, 500-1. **Rwy 22**, 300-1.
DEPARTURE PROCEDURE: **Rwy 4**, climb to 1000 before turning right. **Rwy 30**, climb to 1000 before turning left. **Rwy 22**, when ceiling is below 500, climb to 1100 before turning left.

JUNEAU, WI

DODGE COUNTY
TAKE-OFF MINIMUMS: **Rwy 20**, 300-1.

LA CROSSE, WI

LA CROSSE MUNI
TAKE-OFF MINIMUMS: **Rwy 3**, 600-1. **Rwy 13**, 900-1.
DEPARTURE PROCEDURE: **Rwy 18**, climb to 3000' on LSE VOR R-180 before proceeding on course. **Rwy 21**, immediate climbing left turn to 3000' on LSE VOR R-180 before proceeding on course. **Rwy 31**, climb runway heading to 2400 before turning left.

LACON, IL

MARSHALL COUNTY
TAKE-OFF MINIMUMS: **Rwys 13, 18, 36**, 300-1.
DEPARTURE PROCEDURE: **Rwy 31**, climb runway heading to 1800 before turning.

TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

LADYSMITH, WI

RUSK COUNTY

TAKE-OFF MINIMUMS: **Rwy 19**, 300-1 or std. with a min. climb of 430' per NM to 1500.

LAKE GENEVA, WI

GRAND GENEVA RESORT

DEPARTURE PROCEDURE: **Rwy 23**, climb runway heading to 1500 before turning westbound.

LAND O'LAKES, WI

KINGS LAND O'LAKES

TAKE-OFF MINIMUMS: **Rwys 5, 23, NA**.
Rwy 32, 300-1.

LINCOLN, IL

LOGAN COUNTY

TAKE-OFF MINIMUMS: **Rwy 21**, 300-1.

LITCHFIELD, IL

LITCHFIELD MUNI

TAKE-OFF MINIMUMS: **Rwys 9, 36**, 300-1.

LONE ROCK, WI

TRI-COUNTY REGIONAL

TAKE-OFF MINIMUMS: **Rwy 9**, 600-1½.
Rwy 36, 600-1.

MACOMB, IL

MACOMB MUNI

DEPARTURE PROCEDURE: **Rwy 27**, climb runway heading to 1700 before turning left. **Rwy 18**, climb runway heading to 1700 before turning right.

MADISON, WI

BLACKHAWK AIRFIELD

TAKE-OFF MINIMUMS: **Rwy 27**, 300-2 or std. with a min. climb of 220' per NM to 1300.

DANE COUNTY REGIONAL-TRUAX FIELD

DEPARTURE PROCEDURE: **Rwy 18**, (Southwest departures 200° CW 260°) climb via heading 182° to 3200 before proceeding on course. **Rwy 21**, (Southwest departures 200° CW 260°) climb via heading 209° to 3200 before proceeding on course.

NOTE: **Rwy 36**, tree 2700' from departure end of runway, 1097' right of centerline, 100' AGL/987' MSL.

MANITO, IL

MANITO MITCHELL

TAKE-OFF MINIMUMS: **Rwys 4, 36**, 300-1.

MANITOWOC, WI

MANITOWOC COUNTY

TAKE-OFF MINIMUMS: **Rwy 17**, 300-1 or std. with a min. climb of 220' per NM to 1000.

DEPARTURE PROCEDURE: **Rwy 7**, climb to 2100 before turning south. **Rwy 17**, climb to 2100 before turning east.

MATTOON-CHARLESTON, IL

COLES COUNTY MEMORIAL

DEPARTURE PROCEDURE: **Rwy 6**, climb runway heading to 1100' before turning.

MEDFORD, WI

TAYLOR COUNTY

TAKE-OFF MINIMUMS: NOTE: **Rwy 27**, 150' AGL tower 2842' from departure end of runway, 1110' left of centerline.

MENOMONIE, WI

MENOMONIE MUNI-SCORE FIELD

TAKE-OFF MINIMUMS: **Rwys 9, 18, 27, 36**, 300-1.

MIDDLETON, WI

MIDDLETON MUNI-MOREY FIELD

TAKE-OFF MINIMUMS: **Rwys 9, 18, 27, 36**, NA - unsurveyed turf runways. **Rwy 30**, 400-1 or std. with a min. climb of 215' per NM to 1400.

DEPARTURE PROCEDURE: **Rwy 12**, climb runway heading to 2600 before turning south. **Rwy 30**, climb runway heading to 2400 before turning south.

NOTE: **Rwy 30**, trees 2555' from departure end of runway, 263' left of centerline, 100' AGL/1229' MSL.

MILWAUKEE, WI

GENERAL MITCHELL INTL

TAKE-OFF MINIMUMS: **Rwy 7R**, 300-1 or std. with a min. climb 299' per NM to 1100'. **Rwy 7L**, 300-1 or std. with a min. climb 264' per NM to 900'.

LAWRENCE J. TIMMERMAN

DEPARTURE PROCEDURE: **Rwys 4L, 4R, 15L/R**, climb to 2100 before turning east.

MOLINE, IL

QUAD-CITY INTL

TAKE-OFF MINIMUMS: **Rwy 9**, 300-1 or std. with a min. climb of 220' per NM to 800. **Rwy 13**, 300-1¼ or std. with a min. climb of 250' per NM to 900. **Rwy 23**, 300-1 or std. with a min. climb of 285' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 5**, climb via heading 048° to 3000 before turning left. **Rwy 9**, climb via heading 090° to 1600 before turning. **Rwy 13**, climb via heading 126° to 1600 before turning. **Rwy 23**, climb via heading 228° to 1600 before turning. **Rwy 27**, climb via heading 270° to 1600 before turning. **Rwy 31**, climb via heading 306° to 3000 before turning right.

NOTE: **Rwy 9**, trees 4800' from departure end of runway, 1472' right of centerline, 30' AGL/740' MSL. **Rwy 13**, trees beginning 5117' from departure end of runway, 1351' right of centerline, up to 50' AGL/775' MSL. **Rwy 23**, numerous trees beginning 3423' from departure end of runway, 292' left of centerline, up to 50' AGL/757' MSL.

MONMOUTH, IL

MONMOUTH MUNI

TAKE-OFF MINIMUMS: **Rwy 20**, 400-2.

TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

MONROE, WI

MONROE MUNI
TAKE-OFF MINIMUMS: **Rwy 30**, 300-1.

MOSINEE, WI

CENTRAL WISCONSIN
TAKE-OFF MINIMUMS: **Rwy 35**, 300-1.
DEPARTURE PROCEDURE: **Rwy 35**, (northbound
departures 350° CW 045°) climbing left turn to 3500
via AUW R-270 before turning on course.

MOUNT CARMEL, IL

MOUNT CARMEL MUNI
TAKE-OFF MINIMUMS: **Rwy 22**, 300-1 or std. with a
min. climb of 340' per NM to 700.

NEW LISBON, WI

MAUSTON-NEW LISBON UNION
TAKE-OFF MINIMUMS: **Rwys 14, 32**, 400-1 or std.
with a min. climb of 220' per NM to 1400.

PARK FALLS, WI

PARK FALLS MUNI
DEPARTURE PROCEDURE: **Rwy 18, 36**, climb
runway heading to 3400 before turning east.

PAXTON, IL

PAXTON
DEPARTURE PROCEDURE: **Rwy 18**, climb runway
heading to 2400 before turning left. **Rwy 36**, climb
runway heading to 2400 before turning right.

PEORIA, IL

MOUNT HAWLEY AUXILIARY
TAKE-OFF MINIMUMS: **Rwys 17, 35**, 300-1.

PHILLIPS, WI

PRICE COUNTY
TAKE-OFF MINIMUMS: **Rwy 1**, 300-1 or std. with
climb of 240' per NM to 1800.

POPLAR GROVE, IL

TAKE-OFF MINIMUMS: **Rwy 30**, 300-1 or std. with a
min. climb of 310' per NM to 1000.
Rwys 9, 12, 17, 27, 35, NA.

PORTAGE, WI

PORTAGE MUNI
TAKE-OFF MINIMUMS: **Rwys 17, 22**, 300-1 or std.
with a min. climb of 265' per NM to 1000.

PRAIRIE DU CHIEN, WI

PRAIRIE DU CHIEN MUNI
TAKE-OFF MINIMUMS: **Rwy 29, 32**, 800-2 or std. with a
min. climb of 289' per NM to 1700.
DEPARTURE PROCEDURE: **Rwys 11, 29, 14, 32**, climb
to 2000 before turning on course.
NOTE: **Rwy 29**, tower 9416' right of departure end of
runway, 300' AGL/1440' MSL.

RACINE, WI

JOHN H. BATTEN
TAKE-OFF MINIMUMS: **Rwys 4, 22**, 300-1.

REEDSBURG, WI

REEDSBURG MUNI
TAKE-OFF MINIMUMS: **Rwy 18**, 400-1.
Rwy 36, 300-1.
DEPARTURE PROCEDURE: **Rwy 25**, climb to 2300
on runway heading before turning northbound.
Rwy 36, climb to 2300 on runway heading before
turning westbound.

RHINELANDER, WI

RHINELANDER-ONEIDA COUNTY
DEPARTURE PROCEDURE: **Rwys 9, 15**, climb
runway heading to 3900 before turning north.

RICHLAND CENTER, WI

RICHLAND
TAKE-OFF MINIMUMS: **Rwy 9**, 500-1 or std. with a min.
climb of 360' per NM to 1300. **Rwy 15**, 400-1 or std. with
a min. climb of 450' per NM to 1200. **Rwy 27**, 400-1 or
std. with a min. climb of 290' per NM to 1200. **Rwy 33**,
300-1 or std. with a min. climb of 340' per NM to 1100.

ROCHELLE, IL

ROCHELLE MUNI AIRPORT-KORITZ FIELD
TAKE-OFF MINIMUMS: **Rwy 7**, 800-1 or std. with a
min. climb of 433' per NM to 1800.
NOTE: **Rwy 7**, tower 3415' from departure end of
runway, 1135' right of centerline, 120' AGL/924'
MSL. Tower, 3.66 NM from departure end of
runway, 2020' left of centerline, 625' AGL/1463'
MSL.

ST. JACOB, IL

SHAFFER METRO EAST
TAKE-OFF MINIMUMS: **Rwy 13**, 300-1.

SALEM, IL

SALEM-LECKRONE
DEPARTURE PROCEDURE: **Rwys 18**, 300-2 or std.
with a min. climb of 280' per NM to 900.

SHAWANO, WI

SHAWANO MUNI
TAKE-OFF MINIMUMS: **Rwy 3, 21**, NA. **Rwy 11**, 500-2
or std. with a min. climb of 230' per NM to 1400.

SPARTA, IL

SPARTA COMMUNITY-HUNTER FIELD
TAKE-OFF MINIMUMS: **Rwy 18**, 300-1.

SPARTA, WI

SPARTA/FORT MC COY
DEPARTURE PROCEDURE: **Rwys 1, 11, 29**, climb on
runway heading to 1400' before turning on course.



TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



SUPERIOR, WI

RICHARD I. BONG

DEPARTURE PROCEDURE: **Rwy 3**, climb runway heading to 2500 before turning west. **Rwy 31**, climb runway heading to 2500 before turning north.

VIROQUA, WI

VIROQUA MUNI

TAKE-OFF MINIMUMS: **Rwys 2, 20**, NA-unsurveyed turf runways.

VOLK FIELD (KVOK)

CAMP DOUGLAS, WI

TAKE-OFF OBSTACLES: **Rwy 27**: 80' AGL trees, 2469' from dep end of rwy, 1054' right of centerline; 80' AGL trees 3665' from dep end of rwy, 770' left of centerline.

WATERTOWN, WI

WATERTOWN MUNI

DEPARTURE PROCEDURE: **Rwy 5**, climb runway heading to 2500 before heading west. **Rwy 29**, climb runway heading to 2500 before turning north.

WAUKESHA, WI

WAUKESHA COUNTY

TAKE-OFF MINIMUMS: **Rwy 10**, 400-2 or std. with a min. climb of 240' per NM to 1400. **Rwys 18**, 300-2 or std. with a min. climb of 220' per NM to 1300.

WAUPACA, WI

WAUPACA MUNI

TAKE-OFF MINIMUMS: **Rwy 28**, 300-2 or std with a min. climb of 317' per NM to 1300.
 NOTES: **Rwy 10**, trees 1400' from departure end of runway, 300' left of centerline, 41' AGL/850' MSL. **Rwy 13**, road vehicle 240' from departure end of runway, 275' right of centerline, 29' AGL/832' MSL. **Rwy 28**, trees 1.1 NM from departure end of runway, 1848' left of centerline, 100' AGL, 1119' MSL. **Rwy 31**, trees 800' from departure end of runway, 150' left of centerline, 19' AGL/846' MSL. Trees 1965' from departure end of runway, 585' left of centerline, 100' AGL/979' MSL.

WAUSAU, WI

WAUSAU DOWNTOWN

TAKE-OFF MINIMUMS: **Rwy 30**, 300-1. **Rwy 4**, 400-1. **Rwy 12**, 300-1. **Rwy 22**, 700-1.
 DEPARTURE PROCEDURE: **All runways**: West departures (220° CW to 300°) climb to 3500 on runway heading before proceeding on course. **Rwy 4**, North departures (360° CW 030°) climb on runway heading to 2900 before proceeding on course.

WAUTOMA, WI

WAUTOMA MUNI

DEPARTURE PROCEDURE: **Rwy 31**, climb runway heading to 1800 before turning north.

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